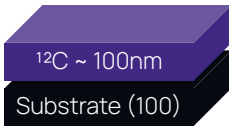


Pure Diamond Layer

SPECIFICATIONS



¹²C enrichment
0.1% – 99.99%

Layer thickness
0.02 μ m – 0.3 μ m

Overall diamond thickness
20 μ m – 500 μ m

A pure diamond layer is produced on top of a high purity diamond substrate and are offered in thicknesses starting from 20nm.

Depending on the application nuclear spins are needed or unwanted inside the diamond layer. Therefore, the isotopic composition of the produced pure diamond layer can be selected in the range of 98.9% (natural abundance) up to 99.99% for ¹²C and in the range of 0.01%-99.9% for ¹³C.

No NV centers are present in the layer and the nitrogen content is low. This material is suitable for customers who are interested in producing color centers by themselves, or require specific isotopic compositions.

PURE DIAMOND LAYER

No NVs

